



McCormick Housemasters Steve and Alice Senturia. Photo by Tom Vidic

Senturia to stay at McCormick

By Norman D. Sandler

Dean for Student Affairs Carola Eisenberg has issued a statement saying she will not remove Professor Stephen Senturia and Mrs. Senturia as housemasters of McCormick Hall.

The Senturias said Sunday that they have been "urged to stay on and we intend to," and added that students who wanted to pursue complaints could do so with them.

Eisenberg's statement followed nearly two weeks of public discussion on the matter, after it was disclosed that the McCormick judicial committee had gone to her with written complaints against Senturia, and had asked he be replaced as housemaster.

In a letter to McCormick residents, Eisenberg said that despite concerns raised over specific actions taken by the Senturias in the past, "they should be encouraged to continue in that capacity (housemasters) and receive our full support in their efforts."

Eisenberg said the public response was prompted by the "public attention" given to the matter, although she said the judicial committee originally brought the problem to the Dean's office to avoid public debate on the issue. In the letter, Eisenberg had praise for the ini-

tial actions of the judicial committee and for the members' "courage in pursuing a difficult path."

She went on to add that the Dean's office had tried to deal with a number of the specific complaints against the Senturias, and that after meetings with all the parties involved the Senturias "are resolved to deal with these problems and to develop a style of interaction with students which will remove these impediments to an optimal atmosphere."

The Senturias, according to Eisenberg, have conceded that "at times they may have overpowered students in their impatience to get a matter resolved," in response to charges from the judicial committee that Senturia has "come down too hard" on individuals and groups

News Analysis

Discussion of Senturia began last November

By Barb Moore

A letter issued March 21 to the residents of McCormick Hall by Carola Eisenberg, Dean for Student Affairs, (see related story) is the culmination of nearly five months of discussion between Eisenberg and the Judicial Committee of McCormick Hall.

The discussions have centered on a 40 page document filed with the Dean's office, listing complaints of several McCormick residents against housemasters Stephen Senturia, Associate Professor of Electrical Engineering, and his wife Alice.

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UAP candidate Dick Michel.



UAVP candidate Dave Jessich.

UAP, class elections will be held April 10

By Paul Schindler

The Undergraduate Association will hold elections from 9am to 5pm on Wednesday, April 10th, with all positions contested, according to UA Secretary-General Stephen Shagoury '76 (DTD).

UA President and Vice-President (UAP and UAVP) will be elected, as will class president and executive committees for all four classes. The class of '74 will also elect a vice-president and a secretary-treasurer.

There are currently two teams which have turned in 400 signatures on nominating petitions for the offices of UAP and UAVP, according to Shagoury. *The Tech* learned Sunday that at least one other team is considering a write-in campaign.

Steve Wallman '75 (MacGregor House) is running for UAP with James Moody '75 (Baker House) as his vice-president. They are opposed by Dick Michel '75 (SAE) and Dave Jessich '75 (PGD), running for UAP and UAVP respectively.

Moody told *The Tech* that he and Wallman gathered 426 signatures in two days on their petition. Jessich said that he and Michel had 517. Only 400 signatures are required to be placed on the ballot, according to the Undergraduate Association constitution as interpreted by Shagoury.

Bob Zimmerman '76 and Larry Appleman '76 (PKA) are planning a write-in campaign, after having gathered 393 signatures on

See page 3 for side-by-side pictures of the Student Center elevators, which is more than we can say for the elevators themselves.

ing by 13 women, making a total of 20 women who will probably be moving there; Burton will have 18 more women, for a total of 28 new women; East Campus will get 19 more women, making 31 new women.

Jim Moody '75, Baker House vice-president said "We don't feel that having Baker go coed will spread women too thin because of the expansion in the other groups." Baker House will probably receive about 25 women next fall, 15 upperclassmen and 10 freshmen.

The women will be divided evenly between two sections of two floors. According to Baker House president Lenny Schneeman '75, women in Baker will be given the same priority they have in their own dorms — in the coed area.

The proposal which Baker turned in to the Dean's Office now must be voted on by Baker residents at a House Meeting. Schneeman predicted that the proposal would pass, since a questionnaire circulated to Baker residents indicated that 90% of the residents there want to have the dorm coed.

City revenue sharing topic of convention

By Bill Conklin

"What we want to do is get the citizens of Cambridge a voice in deciding where their revenue sharing funds go," said Janet Rose, Chairperson for the Revenue Sharing Citizen Participation Convention.

The convention, set up by the Executive Committee of Revenue Sharing Planning Teams in Cambridge, will start at 9am on Saturday, April 6, at Cambridge Latin High School. It will be the culmination of an effort started last October to tell Cambridge citizens what revenue sharing is and how they can participate in its use on the city level, according to Rose.

During the last two months, members of the Cambridge Economic Opportunities Commission (CEO) have held meetings in each of the thirteen Cambridge neighborhoods to explain revenue sharing and select dele-

gates to vote at the convention on a list of priorities in the spending of Cambridge's budget allotment for the fiscal year 1974-75. "We've gotten good response at most of the neighborhood meetings," commented Dennis Didley, a CEO worker. "We've had at least 50 people attend some of them."

At the meeting for neighborhood 2, the MIT community, no one showed up, according to CEO members.

At the convention, each neighborhood must select 50 delegates who will determine how its votes will be cast. Each neighborhood will have one vote per 500 residents, totaling 200 votes for Cambridge's 100,000 people. In addition, four minority groups — the Community of Portuguese-Americans, the Spanish-speaking Council, and groups representing blacks and elderly

(Please turn to page 3)



UAP candidate Steve Wallman.



UAVP candidate James Moody.

Photos by Rich Reinh

Samuels '41 for NY governor

By Dave Danford

In March 1940, the MIT varsity basketball team elected Howard J. Samuels '41 as its captain. It was not his first election, nor was it to be his last, for today Samuels is running as a Democrat for governor of New York.

Samuels, in his years at MIT, was quite prominent in many campus activities. As well as being elected captain of the basketball team, he was elected as a sophomore to the Beaver Key Society, an honorary athletic service group.

In addition, Samuels wrote a regular column in *The Tech* entitled Shorts on Sports. He was later elected to the editorial board of the newspaper and served two years in that capacity.

Samuels, however, achieved the greatest fame of his college years for his performance on the basketball court. He was the highest scoring freshman in New England in the 1936-37 season. He continued during his years on the varsity to figure consistently near the top in MIT scoring statistics. This record inspired *The Tech* writers to characterize him as the "Flashy Junior forward and star long shot artist" or "Howie Samuels, King of the Knights of the Court."

NOTES

* Robert T. Lund, Senior Research Associate of Center for Policy Alternatives, will speak on CONSUMER DURABLES. Telecommunications Policy Planning and Research Seminar, WEDNESDAY, APRIL 3, 1974. 4-6pm Room 9-450. Coffee.

* Nominations are being sought for two major student awards and one award for an employee to be presented at the annual Awards Convocation in May.

The awards are:

Karly Taylor Compton Awards, the highest awards given to students. They recognize excellence and devotion to the MIT community. Emphasis in nominations should be placed on lasting or sustained contributions.

William L. Stewart Awards to recognize contributions to student life. The Award honors significant contributions to a particular activity or event.

James N. Murphy Award for an employee for inspired and dedicated service especially with regard to students. The award recognizes an employee whose relationship with students goes beyond what might normally be expected.

Nominations may be made by letter and submitted to Awards Selection Committee, Rm. 7-101. Deadline is Friday, April 5.

In his *The Tech* column, Samuels occasionally expressed his views on sports and MIT in general. Writing on his philosophy concerning the place of sports at MIT in March 1939, he revealed some very basic attitudes in his approach to life. Samuels said, "Undoubtedly in a technical school such as this, school work must come first. However, there still must be outside activities to constitute a well-rounded student."

He went on to advocate sports not entirely for the sake of winning but for the benefit of the participants. Samuels stated,

Wallman, Michel to run in UAP election April 10

(Continued from page 1)

nominating petitions which they turned in. "We had 90 more, but some guy tore them up. He thought it was funny," Zimmerman said.

Commenting on the rejection of his nominating petition, Zimmerman added, "Rules are rules, but who needs rules anyway." Moody stated that "I think 393 signatures is close enough, and they put out the effort."

Jessich took a different view, noting that he had "not seen Zimmerman working very hard" to collect signatures.

"A fundamental law in life is to do well what one attempts." He qualified that law by taking a broad view of "doing well." "Satisfaction does not necessarily have to be glory but merely an improvement in some way," he said.

Samuels has had an active career since graduating from MIT with a Bachelor's in Management. He was a Lieutenant Colonel in the Army during World War II, and more recently was Head of the National Alliance of Businessmen. He has served as Undersecretary of Commerce.

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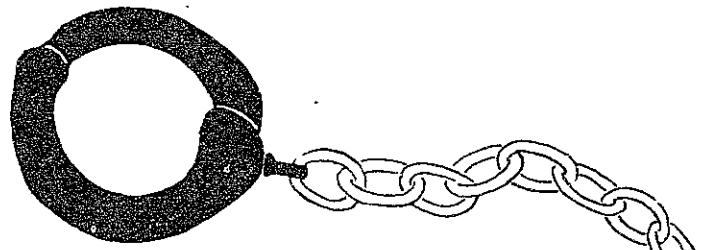
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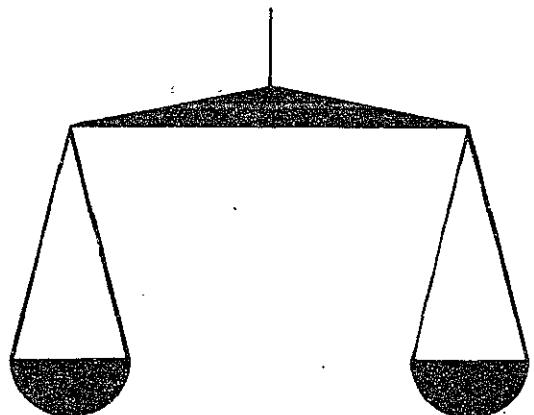
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A COMPTON LECTURE

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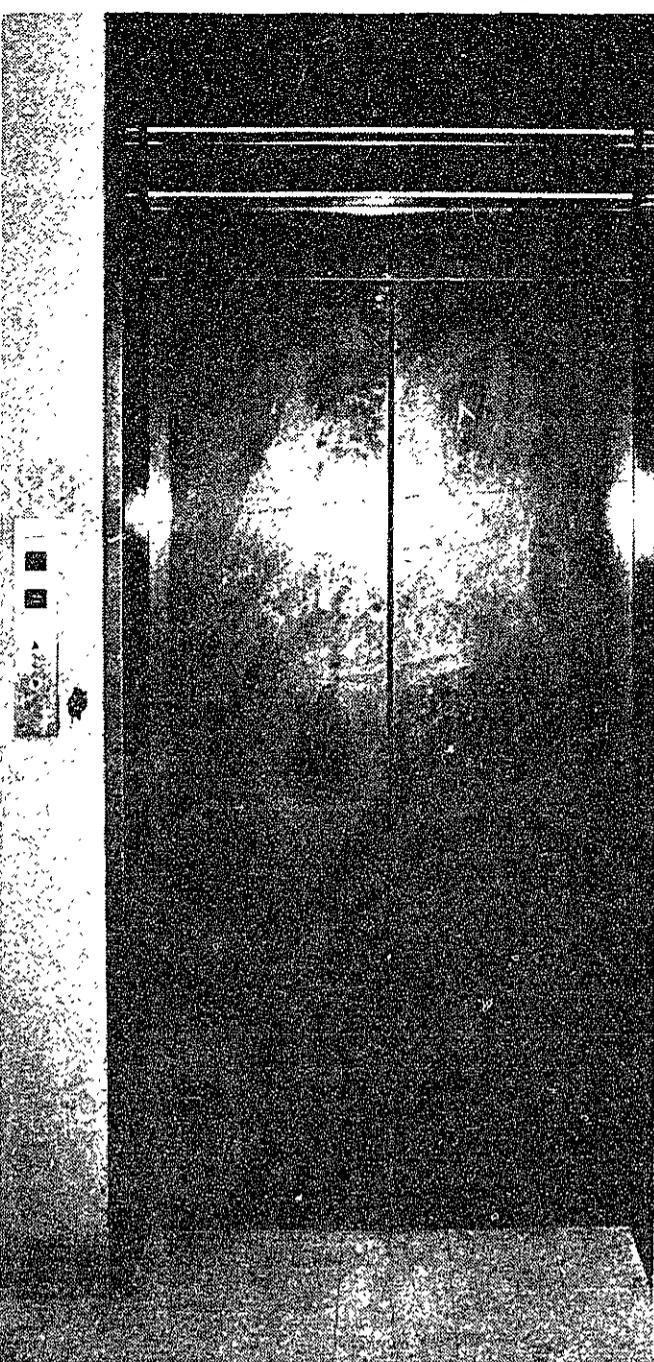
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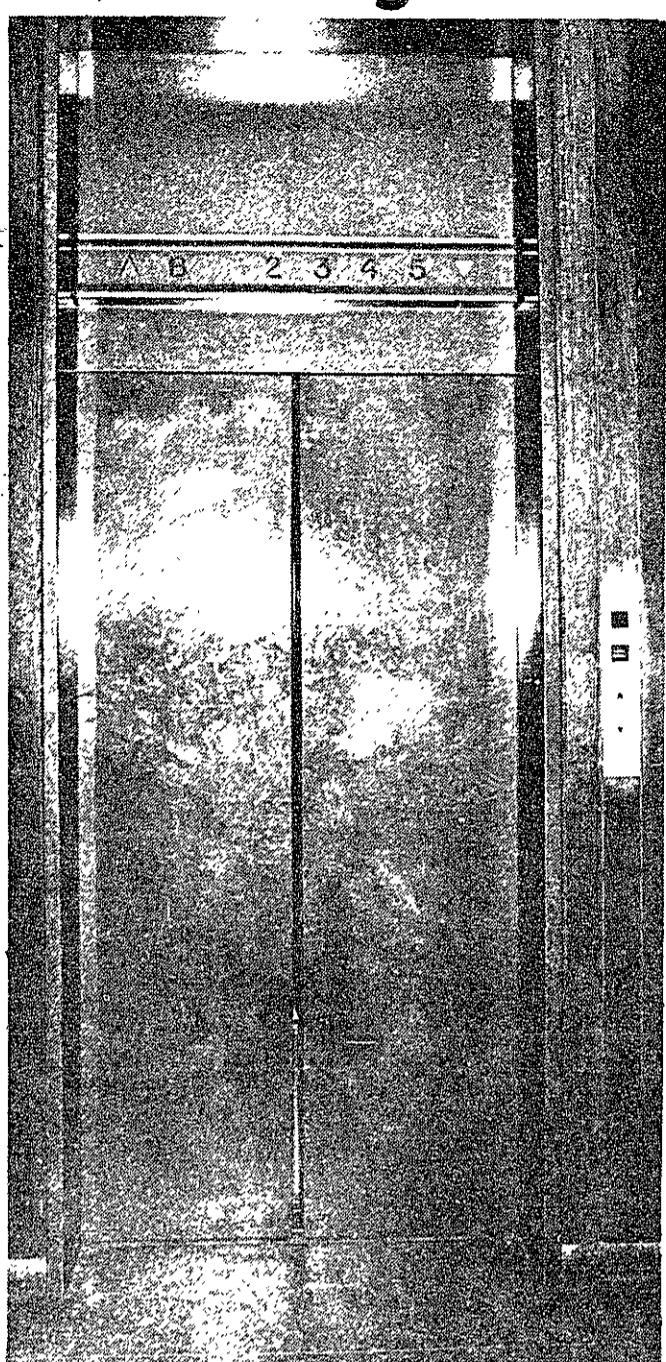
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Where is it?



Elevator service has been sporadic in the Student Center ever since its construction (with ill-advised elevators on opposite sides of the building) in 1965. Efforts to speed up the traffic in the elevators, which is heavy, have been thwarted by their location, their frequent breakdowns, and the lack of any freight elevator in the building (another glaring oversight). APO finally made a survey of traffic patterns which led to the establishment of the basement-four local, first-fifth express system that has usually been in operation since the major remodelling of the elevators which occurred last year when the company holding the maintenance contract was changed. Service since then

Stuck again!



has quite possibly been the best ever, according to informed observers. But in recent weeks, the old breakdown problems have been recurring in one elevator or another, until both were out of operation for four hours Sunday night. Whither elevator service? Physical Plant reports that the West Elevator had its doors knocked out of their tracks, probably by collision with some heavy object. The East elevator was stuck Sunday night due to someone having pressed the red emergency stop button. Monday, it developed other problems, and Delta Elevator was in the building working on both elevators.

Photos by Rich Reihl

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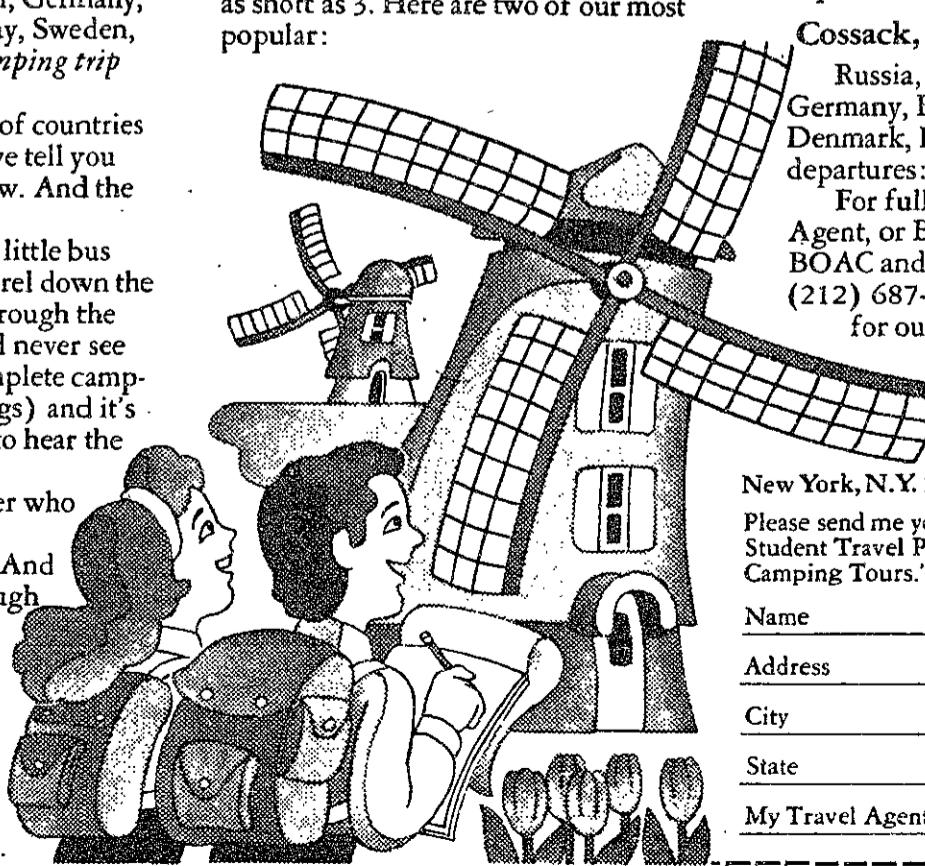
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tion, we will elect a Structure Committee which will draw up an ordinance to put before the council a legal mechanism providing for citizen input into the decision."

She added that the mechanism would probably take the form of an elected committee of citizens who would review the priorities drawn up at the convention, and then decide how the money should be spent.

At the March 25 City Council meeting, Councilwoman Sondra Graham moved that the revenue sharing funds for 1974-75 not be put directly into the city budget, as it has been in previous years. The motion was tabled. Delegates hoped that the convention would convince members of the City Council of the amount of support for the proposal.

"We'd like to see 1000 people at the convention," commented Rose, "but I don't know if that will happen in Cambridge."

Ad-hoc grade committee seeks input from public

By Michael Garry

The ad-hoc committee on grades will be holding a public hearing where it plans to discuss ideas on changes in the grading system with interested members of the MIT community, according to Roy Kaplow, chairman of the committee.

The hearing will be held from 4pm to 6pm on Thursday, April 4, in room 37-252.

The framework of ideas the committee plans to discuss, Kaplow asserted, is characterized by a concern that "grades reflect what a student understands about a subject."

In accordance with this concern, Kaplow said, one idea to be discussed is that of dropping

F grades from the student transcript. He added, "The transcript should be a positive thing which indicates what a student has registered and gotten credit for." Internal records, however, would continue to include all grades received by students.

According to Kaplow, the committee will also talk about changing the number of grades by dropping the D or adding "plus" grades, and allowing for optional additional comments by

(Please turn to page 11)

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In Case of Insomnia —**Sports:
Too much
of a good thing?**

By Storm Kauffman

Deciding that it was about time that I attacked some sacred cow, I came across a reference to the possible expansion of the National Football League. "Aha!" I cried, "That's it." Today, I make enemies of sports fanatics.

I used to, and still do, greatly enjoy watching most professional sports. It has always been great fun to watch sports in which I have attempted to participate at some time (and usually failed) and the professionals usually guarantee an interesting spectacle.

However, I have begun to feel that the industry (for that is what it has become) has gone too far. Events are made less meaningful by overexposure, the caliber of play is lessened through expansion, the spirit of the athletic contest is demeaned by fights among players or squabbles among owners. Commercializing (oops, there's that nasty catchword) athletics has taken much of the enjoyment out of being a fan.

The examples are numerous. It was bad enough when the NHL doubled its size over one summer — the expansion teams are only beginning to make things interesting again and I still feel that the contests will never be as exciting as when all the teams (Bruins, Rangers, Habs, Leafs, Black Hawks, and Wings) used to be as good as the best we have now. But now we also have the WHL, and the measure of its success (and the spirit shared by owners of like teams) is the forcing of the Whalers ("New England's Only Championship Team,") dig it) out of the Garden.

Basketball has been a little more successful. There they've managed to develop several good teams in each of the Associations, but who really cares about the Cavs or the Suns or the Squires except a few die-hard fans in their home cities.

Football, too, is overexposed (ask your wife or girlfriend, as they always say). Sure, I enjoy watching the "Big" games, but the Falcons against the Broncos is hardly interesting, even as a technical exercise. And doesn't drawing the season out into the end of January and starting it in July seems a little ridiculous?

One of the few of my generation who enjoy watching baseball (it's the only sport I've ever been semi-competent in), I still take little interest in games between teams in the American League (I'm an NL fan) and, even then, cannot maintain my interest during July and August. The season is just too long.

As for the vaunted supremacy of professional athletics, Kyle Rote, Jr. (he won the ABC superstars-make-fools-of-themselves competition) proved that the professionals are specialists, at best. I will admit that the competition was a lot of fun to watch — the obstacle course restored a modicum of faith in my own (almost non-existent) athletic prowess.

Then there is auto racing's concession to the fuel shortage — cutting the 500's to 450's. Very big of them.

For a last, I can harp on the infection of youngster's amateur contests, evidenced by the infamous Soap-Box Derby contest in Free Enterprise and Little League sexism. We seem to have lost the realization that sports are supposed to be fun and enjoyable — it's not who wins, but who has the best time.

MIT, fortunately, perpetuates this spirit of enjoying athletics through its no-cut rules and extensive intramural program. The Institute is a place where even the greasy tool or non-athletic editor can participate in the sports of his choice.

THE WIZARD OF ID**Letters to The Tech****UFW support**

To the Editor:

We, the Religious Counselors of MIT, wish to express our support for the United Farm Workers movement, and especially for the campaign here at MIT which is seeking to assure that only UFW lettuce be sold in the dining services across the campus.

We perceive the issues involved here to be first and foremost moral ones, that is, intimately involved with the basic human needs of a just wage, good working conditions, and safety in the fields. We would hope that the decision on the sales of lettuce at MIT would be made with this consideration in mind, and not simply on the basis of what is economically expedient. We therefore support the MIT group calling for the immediate removal of all non-UFW lettuce from the dining halls.

Rev. John Crocker
Rabbi Mel Gottlieb
Rev. Stanley MacNevin, C.S.P.
Mr. Steven Murphy
Rev. Contance Parvey

Senturia

To the Editor:

I really think it was completely unnecessary to run a front page article on Professor Senturia's position in McCormick Hall when the only people in the dorm who even knew about the problem were the people who complained. After a decision had been made here, or at least a poll taken, would have been soon enough. I, for one, do not wish to find out that my dorm wishes a new Housemaster by reading *The Tech*.

Patricia Callahan '75
resident — McCormick

Midnight Movie

To the editor:

What the hell happened at the Midnight Movie Feb. 22? A whole bunch of people gathered there, waiting to see *Patton*, and for twenty minutes after the thing was supposed to start, they kept the doors to the Sala closed while the crowd grew and grew and things got hotter and angrier. One girl was even in tears by the time they let the people in. And no one would even announce what the trouble was. What happened?

What happened at the Midnight Movie Feb. 22? I was there on the inside and I can tell you. I can tell you how we had a heap of technical problems and couldn't get the sound system working properly, how the person who knew most about the sound system was out of town, how we had to listen to the screams and insults of the people outside as we struggled to get the thing working so they could see the movie. I can tell you how we had to call Campus Patrol to try to calm the crowd down, and how the patrolman announced to the people what the problem was, but since everybody was screaming and no one had the courtesy to tell the person behind him what had been said, only around 5% of the people heard an explanation.

If any of those people on the outside had been on the inside, they would have seen this, too. So why didn't we just let the people in so they could see we were trying to fix things?

Did you ever try to have three groups of people communicate with each other, one at the front of the Sala at the speaker, one at the projection platform, and one on the balcony at the audio console? Did you ever try to do that while the Sala is filled with cretins yelling and screaming because their movie isn't

starting on time? Sure, we could have opened the doors. Then the movie would have been 50 minutes late instead of 20.

So how do people react? Pushing and shoving, trying to physically break the doors open, crowding themselves into a smaller and smaller space, making things hotter and stuffier for themselves, and shouting irrelevant political slogans and invectives at the Evil Student Center Committee who's responsible for it all.

Contrary to popular myth, the Scc is not a bunch of power happy, money grubbing fanatics who take delight in torturing students. We're students ourselves, people who care enough about MIT and the Student Center to donate time and energy to trying to make it a slightly more pleasant place to be. We don't put on movies, Pot Luck Coffeehouse, Rock Revivals, concerts, etc. just for the hell of it; we do it to try to give a bunch of people something to do, something to enjoy.

We don't get any awards. We don't get money. We don't get credit. We never get a "thanks" from someone who enjoyed an event. We throw ourselves a party every once in a while, have dinner together once in a blue moon; that's our reward. Big deal.

The people trying to break down the doors of the Sala Friday night didn't care that if there wasn't an Scc, there wouldn't be a Midnight Movie. They didn't care that if they went to LSC to see *Patton*, they'd have to pay for it instead of seeing it for free. They didn't care that there were people working inside trying to get things in order. All they cared about, like howling infants, is that they wanted what they wanted and wanted it NOW!

This is not a letter from the Scc; I am not writing on behalf of the Committee. This is a letter from an individual Scc member who is sick and tired of listening to taunts and insults from some spoiled brats who think they've got everything coming to them, because that's exactly what those people were who pounded on the doors of the Sala on Friday.

Fuck you. All of you. You don't deserve a damn thing.

Paul Mailman, an angry Scc member

More on Ellsberg

To the Editors:

I was more than a trifle upset with Mike McNamee's comments on Daniel Ellsberg's talk in Kresge. [The Tech March 15] McNamee was clearly so annoyed with the lack of preferential treatment for the press that he forgot about speech. Obviously he would have been much more satisfied with a formal lecture than with the informal talk Ellsberg gave; Ellsberg made too much of an effort to communicate with his audience. It's interesting to note that Ellsberg wanted the lights turned down so that he could see the audience, and that MITV and The Tech managed to get good photos nonetheless. (I believe, at least, that the picture in Friday's issue was taken Monday night.)

Though Mike McNamee complains that the speech contained no memorable lines or interesting comments, I found Ellsberg's comments as to how he first learned of US operations in Cambodia (through a *New York Times* article); on his 1970 meeting with Henry Kissinger and Kissinger's beliefs that there was little to be learned from the Pentagon Papers and that the administration's policies were an entirely new approach; on how he only realized later (with his wife's help) that US Vietnam policies amounted to no less than torture; and on public reaction to the Pentagon Papers (save the articles for future reading), to be quite interesting, to cite some examples. (None

of these were mentioned in your anonymous front-page article, either.) He went into far more depth than merely to say that "obedience to authority can be dangerous."

I, for one, was strongly motivated by the speech, and found it extremely thought-provoking, and I suspect quite a few of the large number who stayed for the question-and-answer session (perhaps a third of the near-capacity crowd) did also. And I am extremely disappointed with *The Tech's* shallow coverage.

Meredith J. Porter

Due to the rather large influx of letters that *The Tech* has received recently, it is necessary to require that all letters submitted must be typed double-spaced. Also, we intend to run all (typed) letters, if at all possible, but the timing is limited by the space available for edit copy.

Editorials (in double-column, large-type format) express the views of *The Tech* Editorial Board. Columns are signed opinion articles by members of the staff and expressing their views. Commentary is signed opinion articles submitted by members of the MIT community wishing to express their views.

Continuous News Service
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Vol. XCIII, No. 14 April 2, 1974

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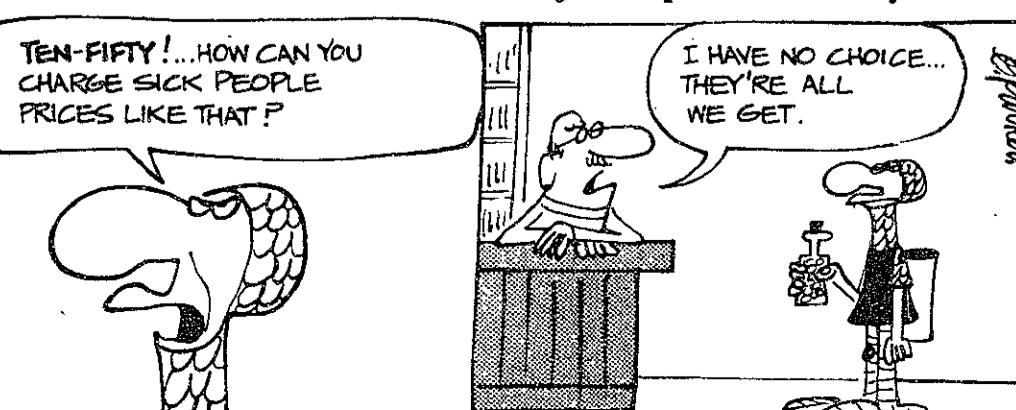
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Paul Bayer, Randy Young '74,
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Second Class postage paid at Boston, Massachusetts. *The Tech* is published twice a week during the college year (except during college vacations) and once during the first week of August, by *The Tech*, Room W20-483, MIT Student Center, 84 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617, 253-1541. United States Mail subscription rates: \$5.00 for one year, \$9.00 for two years.

by Brant Parker and Johnny Hart



The Wizard of Id appears daily and Sunday in *The Boston Globe*

More letters to The Tech

Course VI-A

To the Editor:

Course VI-A received some nice publicity in *The Tech* of February 26, but the increased interest in the program is not quite so dramatic as the 300% mentioned in the second paragraph. Actually new enrollment figures for one year got crossed with total enrollment figures for another year. Let this memo set the record straight.

The number of applicants in 1970 was, indeed, 39; 29 of these being finally admitted to the program. This brought the total VI-A enrollment in the fall of 1970 to 95 students. The total enrollment in the fall of 1973 was 102.

What has been dramatic over the past several years is the rise in the number of applicants for the program. Witness the following statistics

Year Applying	New number enrolled
1970	39
1971	69
1972	83
1973	100
	44

Current indications are that this spring will see another record number of enrollments. Already 47 firm applications have been received this term and the deadline isn't until March 1, 1974.

My estimate of openings available, this year, is between 51 and 57, which will help a little with the demand.

John A. Tucker
Director, Course VI-A

Nixon fixation

To the Editor:

Some on *The Tech* staff seem downright fascinated with impeachment of Nixon. Predictably there will be an article about this in every issue.

Certainly journalists have a responsibility to direct their readers' attention to the need for an honest and responsive Federal government.

But it is also much safer to criticize those people and events which are hundreds of miles away.

The war research of the Draper Laboratory will soon be done in Kendall Square. Although this is coincidentally very convenient to MIT, only a short article (*The Tech* February 15, 1974), buried on page six, asked if the Draper Lab is really still divested from the Institute. One wonders how many MIT scientists and engineers will be taking a daily stroll to Kendall Square when the new laboratory is built.

Perhaps the most disappointing and irresponsible policy which *The Tech* has recently taken is accepting advertising from the MIT ROTC programs. Has everyone on the staff who used to oppose the Vietnam War graduated, been expelled, or just forgotten?

It might be more difficult for the United States to have another full scale military involvement if it lacked the personnel and technical equipment. Yet MIT continues to provide resources to the American military establishment; putting

weapons in the hands of men whose business is war.

Does *The Tech* staff condone this? Its whisper of protest about the relocation of Draper Lab, and its acceptance of ROTC recruitment ads, can lead this reader to only one conclusion.

Marya Sieminski '75

others as to how much still needs to be done.

The requests for applications from qualified women for the Sloan Fellows Program was a sincere one. I took it on my own initiative to spend some \$15,000 on that one effort alone — and we have a number of other efforts as well, including a very able young woman who is one of our own graduates and is on our staff — a large part of her job is to help recruit and attract many more women than have come here in the past. I think that if you were to come visit with us, you would enjoy meeting the women in our various programs.

It is sometimes frustrating when we find our efforts attacked when we goof as we did with the application blank. Some how or other — unfortunately — there is too much of a tendency to pick hard on what we do not do well rather than lend the support and assistance that we need on those dimensions where we are achieving results, but striving for even greater results.

The irony of the situation is that I am one of those who have been leading a campaign over the last few years (before Affirmative Action Plans came into existence!) to recruit those many women who would enrich the programs here — and to whom we might be able to make some contribution towards their career development.

My own wife has worked since we were married over twenty years ago and she is a constant reminder to me and to

Peter P. Gil

Career women

To the Editor:

I refer to Mr. John Holly's letter of February 24 [*The Tech*, March 19] regarding the application form for the Alfred P. Sloan Fellows Program.

It would be a masterpiece of understatement to say that I owe you and career women in general a deep, sincere apology. We worked hard on rewriting an obsolete, inappropriately worded brochure and completely forgot to do the same regarding the application form. It was a mistake on my part and I can only plead in my own defense that it was not intentional.

The irony of the situation is that I am one of those who have been leading a campaign over the last few years (before Affirmative Action Plans came into existence!) to recruit those many women who would enrich the programs here — and to whom we might be able to make some contribution towards their career development.

My own wife has worked since we were married over twenty years ago and she is a constant reminder to me and to

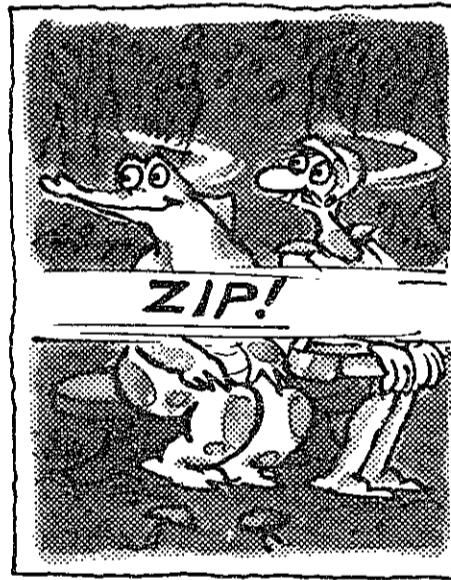
MORE THAN ONCE UPON A TIME



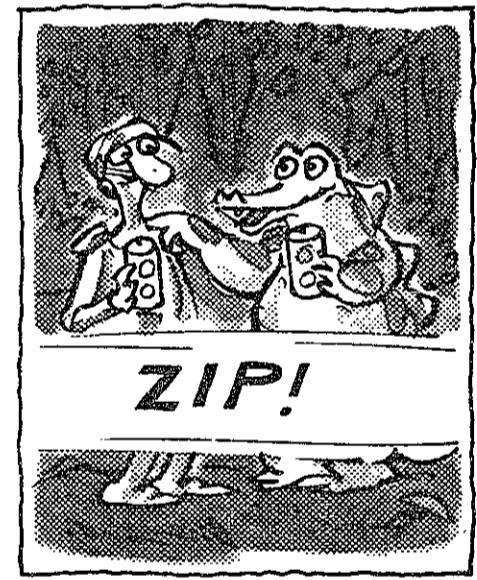
ONCE A KNIGHT, BEING SUNK SO DEEP IN THE SEA OF DESPONDE BY HIS FAILURE WITH WOMEN, DID RETREAT DEEP INTO THE FOREST WITH A VOLUME OF MOST MELANCHOLY VERSE.



WHENCE HIS ROOMIE, A DRAGON, DID COME UPON HIM AND DID TELL HIM OF A WONDROUS WAY TO ATTRACT THE OPPOSITE SEX.



BY MEANS OF THE ANCIENT ART OF THE STREAKE.



AND SO, OVER A COUPLE OF FROSTY-COLD CANS OF SCHAEFER-- THE BEER THAT DREAMS ARE BUILT UPON-- THEY DID PLOT THE KNIGHT'S MAIDEN STREAKE.



AND UNDER THE WATCHFUL EYE OF HIS MENTOR, THE KNIGHT DID PROCEED TO PERFECT HIS STREAKING SKILLS... TO THE GENERAL AMUSEMENT OF ALL THE FURRY BEASTES.



AT LAST HE PROVED READY FOR HIS BIG STREAKE. AND DID SET OUT ON HIS WAY...



ACHIEVING SUCH A GREAT VELOCITY THAT HE DID ZIG WHEN HE SHOULD HAVE ZAGGED.

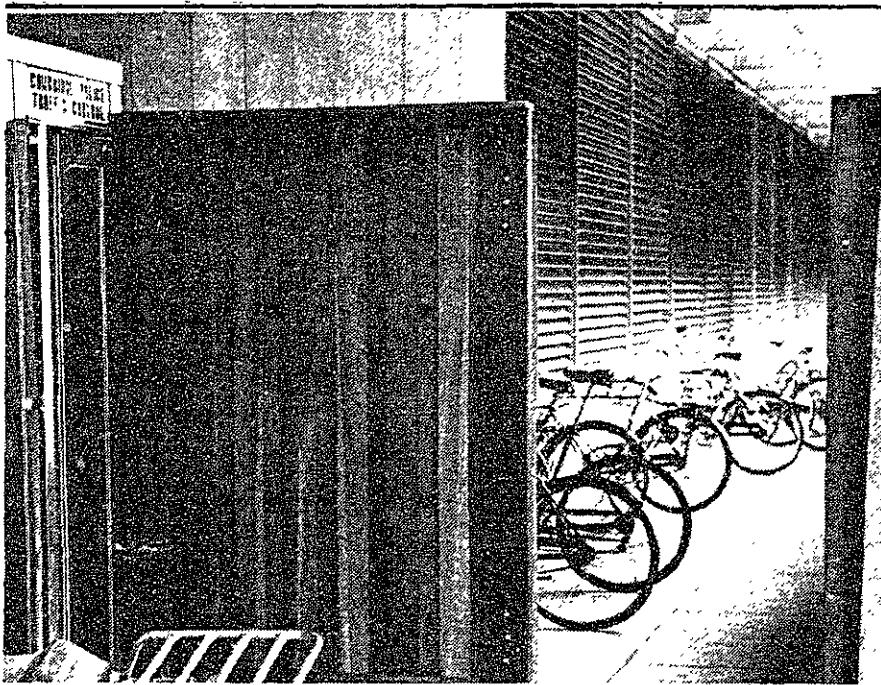


PROVING ONCE AGAIN: BEING THE OPEN MAN IS MUCH BETTER IN BASKETBALL THAN IN LIFE.

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Police Blotter

Police Blotter is a compilation prepared by Campus Patrol to report crimes occurring in the MIT community.

3/15/74

Report of a wallet theft. Complainant reports that sometime between 4:50pm and 5:05pm this date her wallet was stolen from her desk drawer in Building 9. She had left the office for a period of about 15 minutes. Wallet contained \$32.00 in cash and numerous charge cards. No suspicious persons seen in area.

3/16/74

Attempted larceny of a motor vehicle. Vehicle was parked on Memorial Drive. Entry gained by breaking drivers side vent window, ignition switch ripped out and horn ring broken. "KROOK-LOK" prevented theft.

3/17/74

Theft of ladies shoulder bag. Complainant reports that while

attending a square dance at the Student Center she had hung her shoulder bag on a rack on the second floor and placed her coat over it. Upon returning to go home she discovered her bag missing. Bag contained \$15.00 in cash, \$600.00 in travelers checks, eyeglasses plus the usual identification cards, keys, etc.

3/18/74

Report of the Larceny of a digital volt meter (Weston Model 1240) valued at \$394.00 from a lab in Building 10. Theft occurred sometime between March 11th through 18th, 1974.

3/19/74

Patrol reports the recovery of a stolen motor vehicle in the Briggs Field parking lot. A check revealed that vehicle was stolen in Danvers, New Hampshire.

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Electrical & Mechanical Engineers

Aberdene Proving Grounds, Maryland, a research & developmental activity, under the Department of the Army, has vacancies for engineers (electronic and mechanical) with beginning salaries of \$10,467 GS-5 Level & \$11,297 GS-7 Level. Technical representatives will be available on campus for in-depth interviewing on Thursday, 4 April 1974. You may sign up for an interview with the Placement Office.

THE GREAT \$49.95 ENERGY BY MAIL SALE.

When you stop to consider just how much calculator \$49.95 usually buys, we know you'll realize that what we have here is nothing other than a real bargain. Just one year ago, this exact same machine sold for \$149.95. And was worth every penny of it.

While there is no "typical" \$49 calculator, there are several features common to any machine: the basic four functions—addition, subtraction, multiplication and division. Unlike the more expensive, rechargeable models, the primary power source is usually a throwaway battery. There are other features available too, such as floating decimal, a clear entry key, and a display with digits large enough that they can easily be read. Check for these features before you buy any machine, because all \$49 calculators are not created equal.

An Unfair Comparison.

In any case, like we said, this machine—The RES Mark IX—once sold for \$149.95. A calculator produced for retail at \$49 just ain't in the same class. Here are the Mark IX's basics:

Four function capacity (as above).

An exceptionally large, very easy-to-read 8-digit display.

Full floating decimal.

Combined clear and clear entry key, and

A rechargeable battery, with AC adapter/charger included.

By any reasonable standards, the above qualifies the Marx IX as a good \$49 machine. But what made it worth a hundred dollars more?

You can perform both chain and mixed calculations; square a number; calculate reciprocals, and raise a number to an integer power. There is a sign change key for negative number operations, and constant factors for multiplication and division. Lightweight (13 ounces), and compact (1-5/8 x 3-3/4 x 5-1/2 inches), the Mark IX is guaranteed six months on labor, and a full year against any defects in parts.

Thanks for the Memory.

By now you may very well be ready to rip out the coupon, write a check, and dash for the mailbox. And we wouldn't blame you if you did, especially if you've been considering the purchase of a good, all-around calc. But please...have patience...because we've saved the best for last: the Mark IX also comes with the most desired feature of them all...MEMORY...which makes it especially suitable for totaling stock portfolios, figuring real estate transactions, and extending invoices. It's also ideal for students, salesmen, engineers, and at this price, just about everyone else.

See you later, Calculators.

If you think we're trying to paint a rosy picture, good. Because you just will not find a comparable machine anywhere else, at anywhere near this price (which is actually less than many dealers can purchase it for at wholesale!).

So that's the good news, and now for the bad news: If you want one, please don't procrastinate. We have a limited supply of machines, and can only guarantee delivery if we receive your order during the next few weeks.

Who was that Math Man, anyway?

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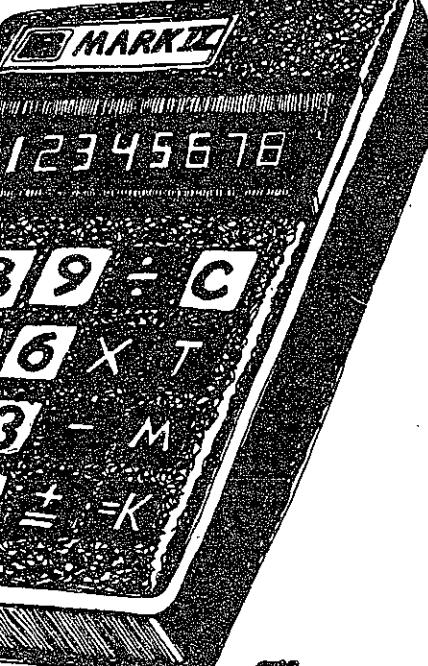
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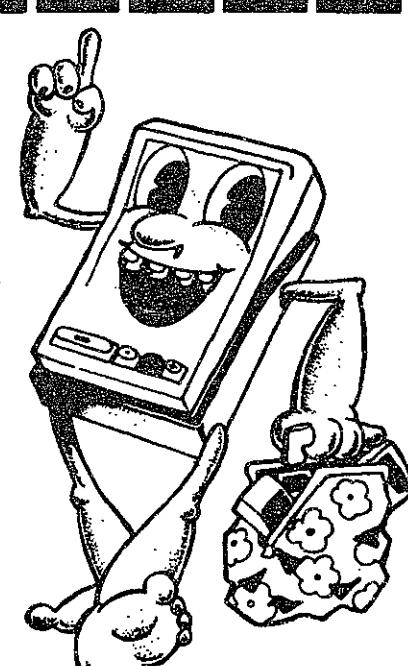
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Chafitz

Chafitz Equipment Company,
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McCormick problems persist

(Continued from page 1)

According to Diane McKnight '75, a member of the McCormick Judicial Committee (Judcomm), the subject was first brought to the attention of Ken Browning, Assistant Dean for Student Affairs, at the beginning of November. At that time, there were few specific complaints, and the discussion centered on the role of Senturia in McCormick.

McKnight stated she thought her conversation with Browning had been in confidence, but that a few days later she received a call from Senturia about it.

Soon after McKnight's conversation with Senturia, Judcomm met with him to discuss any problems then present. The discussion concerned the role of Judcomm in McCormick and consequently preliminary guidelines were drawn up by Judcomm, suggesting their perception of their role. These suggestions were to be discussed at a future meeting, to clarify their powers and responsibilities in more concrete terms.

Some time after this initial meeting, Senturia sent a letter to the members of Judcomm and the dormitory tutors, stating that Judcomm was "poorly informed" and accusing them of mishandling dormitory problems. Upon receipt of this letter, Judcomm members went to Eisenberg's office and talked to her for approximately ten minutes about the letter. No action, however, resulted from this.

Judcomm then began writing the 40 page "letter" which was later presented to Eisenberg. It was written partially by Judcomm, and partially by specific residents involved in the complaints. Judcomm also conducted a survey of dorm attitude, for a feeling of the extent of the problem. The survey found that 37% of the 120

residents questioned were dissatisfied with the Senturia's performance. Eisenberg has since stated that the survey was "flawed and uncontrolled," apparently since it was taken during IAP and was not well-documented. According to one Judcomm member, their integrity was also questioned in connection to the survey. "We were accused of looking for certain answers, and even of throwing some questionnaires away."

Since receiving Eisenberg's letter, members of Judcomm have met with Chancellor Paul Gray '50, to discuss the possibility of a review of the Dean's office decision. Gray stated that there was no such mechanism for the review they requested, and that Eisenberg's decision would stand.

Dirac links constant to universe's age

By Stephen Blatt

Professor Paul Dirac of Florida State spoke to an overflow audience March 21 at the Physics Colloquium on "Problems of Time and Space."

Dirac proposed a "large number hypothesis," connecting all large dimensionless constants to the age of the universe, which would call for the creation of new matter and possibly demand the existence of "negative mass" to maintain conservation of mass.

He explained that since the ratio of the electric force to the gravitational force, 10^{39} , is of the same order of magnitude as the age of the universe measured in certain atomic units (and yielding a dimensionless number), some physicists have proposed that the ratio is time-dependent and that the gravitational constant, G, varies inversely with time.

"You might say that this is a remarkable coincidence which

nature has provided us with," said Dirac, who went on to say that the postulated change in G would be on the order of magnitude of 10^{-10} over 10 years — "quite a small change but not impossible to measure by present techniques." In fact, this theory is currently being tested, according to Dirac, who went on to assure it was true and discuss some consequences.

The number of nucleons in the universe is on the order of (Please turn to page 11)

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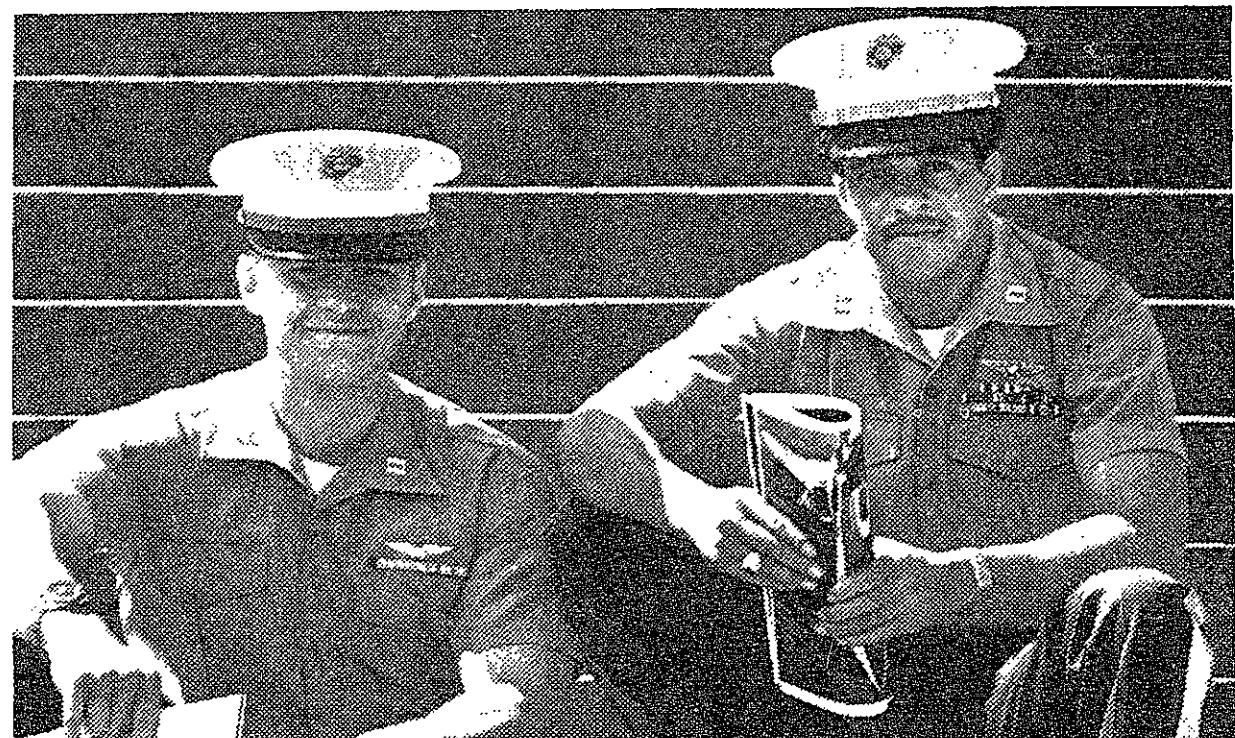
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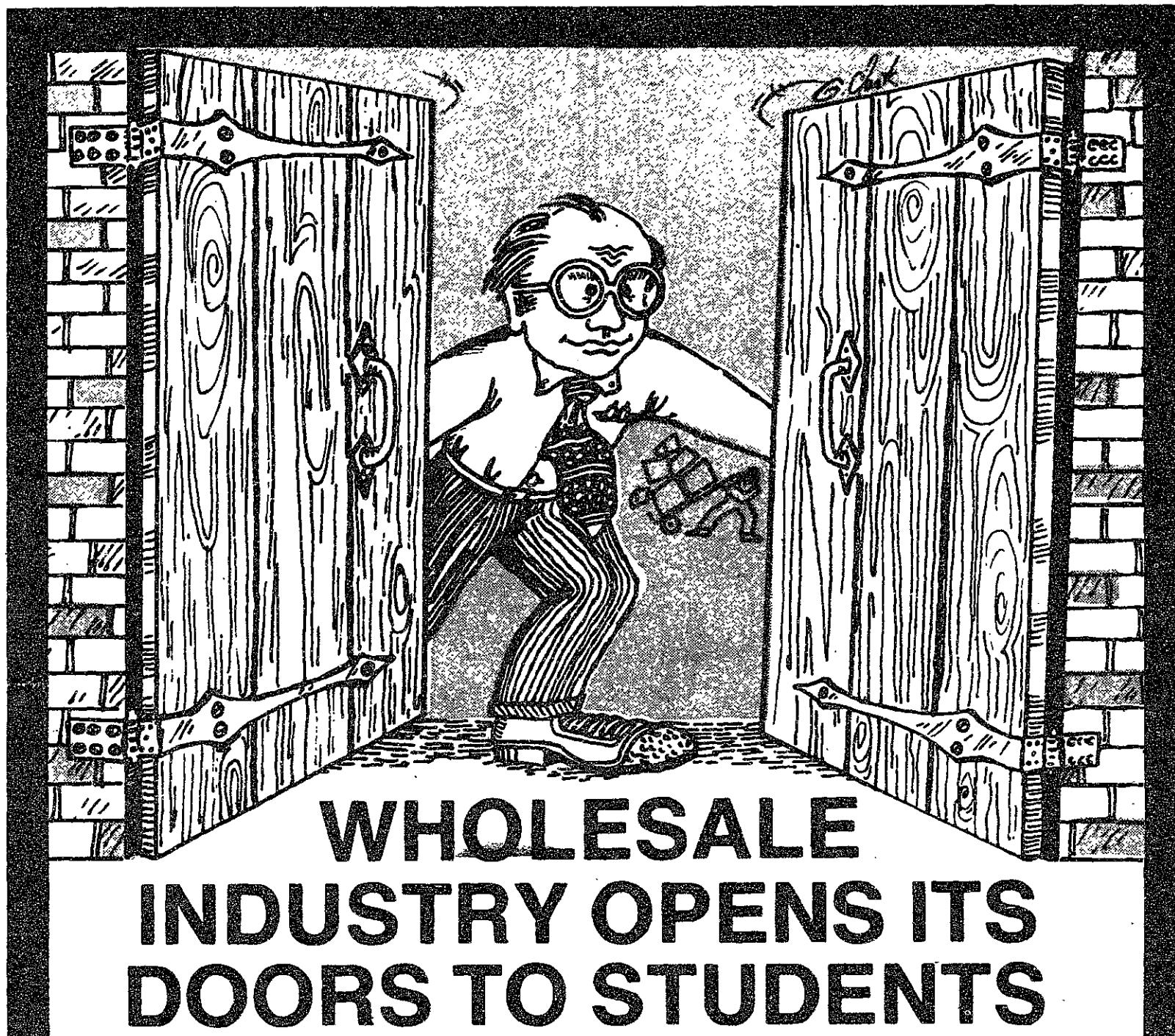
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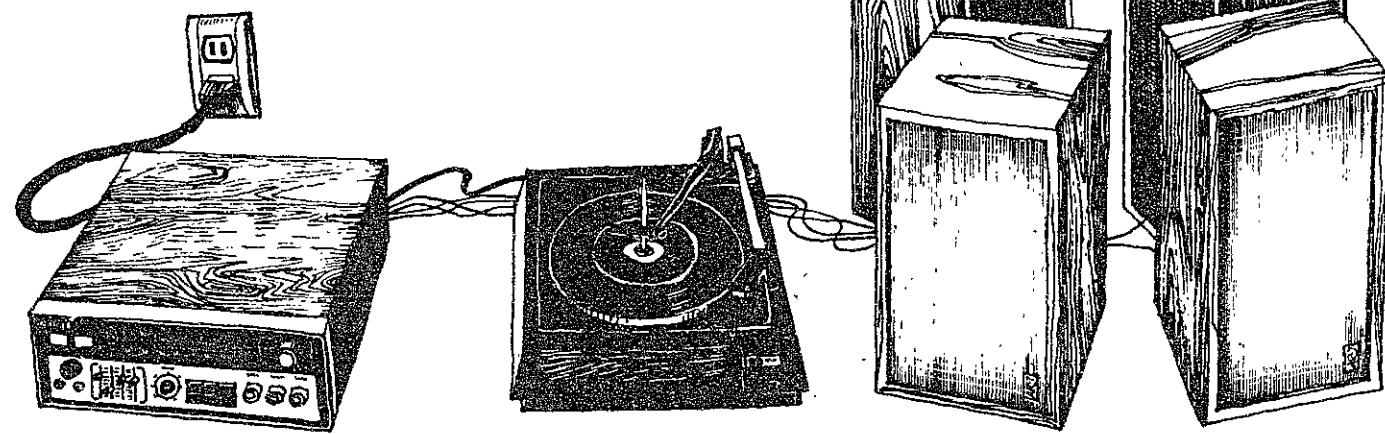
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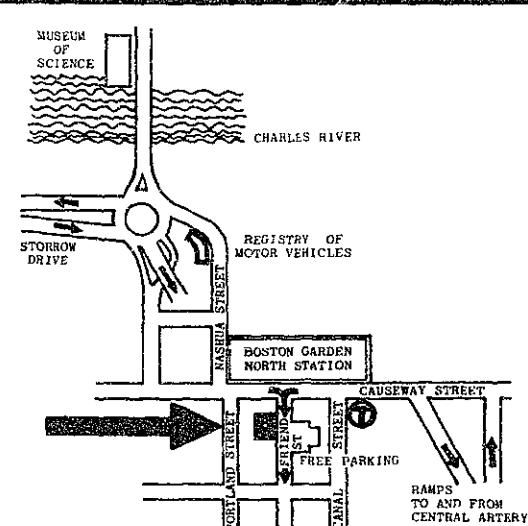
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Technical Notes

By Storm Kauffman

* The Jet Propulsion Lab in Pasadena, California created some excitement on Sunday by raising the possibility that its Mariner 10 spacecraft had found a moon circling the planet Mercury. However, further searches have so far failed to confirm the finding, and the scientist in charge, Dr. A. Lyle Broadfoot of Kitt Peak National Observatory, feels that the existence of a real moon is unlikely. Sunday, Mariner's ultraviolet spectrometer located a weak source apparently detached from the planet and exhibiting a motion relative to the planet. JPL scientists indicated that the UV data was consistent with a moonlet or star; observations have ruled out the possibility that the object is a piece of debris from the spacecraft. From further observations, the object appears to be moving at about 10,000 mph relative to the planet in an eccentric orbit some 15,000 miles average height. Further indication that the object is in fact orbiting Mercury has been offered as Mariner moves farther away (now about a million miles) and the size of the object continues to diminish.

Mercury itself follows a rather eccentric path around the sun (perihelion 29 million miles, aphelion 43 million miles) and is, therefore, subjected to a greatly varying gravitational force of the sun.

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Young faculty couple with cheerful infant will give TLC to your home, garden, plants, pets, and possibly children while you are away this summer. Available mid-May through August. Will furnish references. Please call: 1-313-764-0193, or The Raines, 541 Thompson, Ann Arbor, MI, 48104.

Broadfoot pointed out that the object might be an asteroid captured by Mercury (many of Jupiter's smaller moons are believed to be such asteroids) rather than created in place from excess material left over from the formation of the planet. However, because of the sun's drag, the moonlet may only be in temporary orbit and might be pulled away from Mercury at some time in the future. Evidence that the object was captured by Mercury lies in spectral analysis, which shows the moonlet to be quite different from the planet. Mariner's TV cameras, which had been turned off earlier in the weekend due to overheating and an excessive power drain, were turned on to conduct a visual search for the object. At last reports, this search was still negative. Scientists at JPL are continuing to investigate the phenomenon in hopes of verifying the data received so far, but as Mariner recedes from the planet observations become increasingly difficult.

Mariner 10 has also returned other interesting findings in recent days. Photos of Mercury, taken during the spacecraft's close flyby last week, showed a cratered surface similar to those of the moon and Mars. Additionally, a solar wind detector and magnetometer have indicated that Mercury has a magnetic field which is strong enough (though weaker than that of earth) to deflect a considerable amount of the strong solar wind encountered so close to the sun. The highly charged particles expelled from the sun as the solar wind were found to form a bow-wave and tail around Mercury, an effect similar to one generated by the earth.

Equipment problems with the spacecraft have apparently stabilized with the craft running about 40 degrees above normal. The cameras behaved properly during the TV searches although some additional overheating occurred as a result of their operation.

* RCA has built a laser surveying system that could save millions of dollars in survey costs. The system, which has been successfully demonstrated by the US Department of Agriculture Forest Service, can "see" over mountains and "through" dense forest regions. The Forest Service has estimated that, at its present survey rate of 2000 miles a year, it would require up to 24 years and \$100 million to bring property-line surveys up to date. With the new laser system, officials estimate that the job could be done in twelve years at a third the cost. The Laser Range Pole, designed by NASA and built by RCA, is designed to allow direct projection of straight lines between adjacent property corners in any type of terrain. Accurate within three inches in a mile course in an operational test, the system consists of two components, a laser sender and a sensor receiver. In operation, the laser sender is located at one ground point and emits a narrow beam which is pulsed straight up, sometimes as high as a mile. From a second ground point, the sensor detects the pulse and is locked in at the exact direction. The line can then be extended by regular sighting and marking methods back to the laser firing point. The importance of putting this system into immediate use for the more rapid establishment of property lines is the increasing land utilization by neighboring owners. Less than a tenth of Forest Service property lines and corners are well enough located and marked so that the landowners can manage land up to the lines with complete confidence.



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Gary T. Marx

Associate Professor
Department of Urban Studies
and Planning

Moderator: Robert M. Fogelson

Associate Professor
Department of Urban Studies
and Planning

Wednesday, April 3, 1974

Room 9-150

4:00 p.m.

KALEIDOSCOPE

is happening April 19 and 20

So far we have heard from these groups:

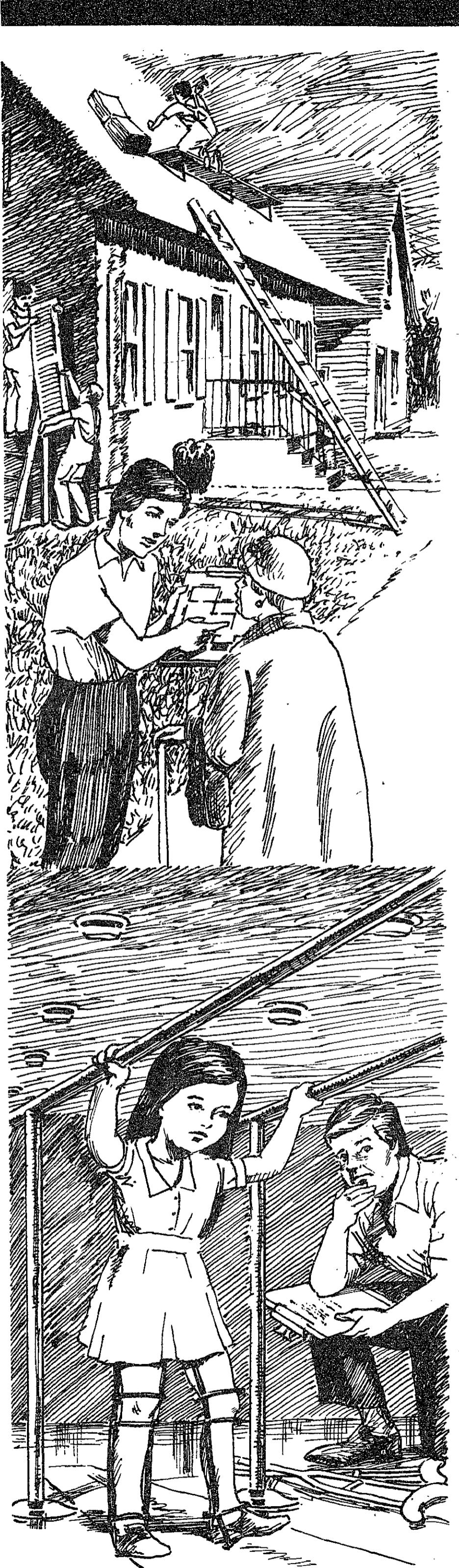
Kite flying contest ★ TCA Silkscreening sweatshirts ★ Pie-eating Contest
★ Paper airplane Contest ★ WTBS remote broadcast ★ Logarythms
★ Concert Jazz Band ★ Auto Club Exhibit ★ Pinball Championship ★
Gospel Choir ★ Outing Club demonstrations ★ Yo-Yo ★ Shove-it Contest

If you want to run an event, let us know. To get everyone together to finalize plans, we are going to have a

MEETING Thursday, April 4 7:30

West Lounge (on the second floor of the Student Center)

If you can't make the meeting, leave a message at x3-2696, the Undergraduate Association Office, W20-401.



SUMMER GRANTS

For Projects in
Community Affairs

- STIPENDS OF UP TO \$1,200
- ALL MIT GRADUATE AND UNDERGRADUATE STUDENTS ELIGIBLE. PAST EXPERIENCE IN COMMUNITY AFFAIRS NOT REQUIRED.
- PROPOSALS SHOULD BE SUBMITTED TO ROOM 4-209 BY APRIL 12, 1974

For details and proposal guidelines, contact:

**Peggy Murrell, Room 5-207,
Richard Pu, Room 4-209, Ext. 3-1368
Ext. 3-1701**

Dirac dates birth of universe

(Continued from page 7) 10^{78} said Dirac. "Actually it is a few particles less, but we don't know how much less, because we don't know how much unobserved matter there really is." Since this number is the square of 10^{39} , and since the large number hypothesis postulates that all such dimensionless large numbers are related, Dirac claimed "we must conclude this number (of nucleons) is increasing proportionately with the square of the epoch. This requires matter to be continuously created."

Dirac compared this with the "steady state" theory of creation, which also postulates matter creation, but explained that they were not the same "because we have G varying. We have continuous creation of matter together with the big bang as the origin of the universe." The "big bang" theory itself is unacceptable under the large number hypothesis, Dirac said, because "the time at which the universe reaches its largest size would be a constant and a large number in atomic units and thus cannot be allowed — any large number

constant can be ruled out."

There are two different ways this new matter could be created, explained Dirac: the additive and the multiplicative theories of creation. The additive theory says that new matter is created uniformly throughout the whole of space, and thus "most of it is created in intergalactic space," while the multiplicative theory says that "new matter is created where it already exists and proportionately to the amount there."

While the multiplicative theory would maintain conservation of mass by decreasing the amount of mass in each proton and thus keeping the masses of objects constant, the only way to preserve conservation of mass as required by relativity with the additive theory, according to Dirac, would be to "imagine some 'negative mass' being created so that the total mass remains zero."

"This is a very artificial situation," said Dirac, but "I don't see any escape from it if we start off with the large number hypothesis."

Dirac, "is famous as an equation, not a man in flesh and blood to many students," according to Professor Victor Weisskopf of the Physics Department, who introduced Dirac to the Colloquium crowd of about 600. "He is one of those of that golden age of science in the 1920's. Never before have so few done so much in so short a time."

Dirac is famous for the theory of the electron and the discovery of the positron, both derived from the Dirac equation which he set forth in the late 1920's. His work first indicated the possibility of anti-matter.

Dirac was trained as an engineer and said, "I find engineering most useful to me — it taught me to tolerate approximations." He went on to say that "all theories are probably approximations, to be superseded sooner or later by better theories." In this vein, while "one shouldn't go on believing the Einstein theory as the ultimate theory, we don't want to give it up altogether. We want to maintain the successes and modify it where necessary."

Ad-hoc grade committee seeks input from public

(Continued from page 3) faculty in the internal grading system to explain other dimensions of a student's grade.

Kaplow told *The Tech* that some additional questions to be fielded are:

Should there be a way to recognize outstanding achievement, particularly in a subject where, for whatever reason, many A grades are given?

If a student receives a grade of C or worse in a subject very basic to him/her, can the student take the subject over, having the grade then received, presumably better, replace the former one on the transcript?

Should the drop date be moved to an earlier point in the term? With regard to this idea Kaplow mentioned that the committee recognizes it to be a request for greater student commitment. "However," he continued, "if some of the other ideas were implemented along with it, then the failure to meet this commitment would be made far less suppressive."

Kaplow said that a second hearing is planned for Thursday, April 11 at the same time and place to discuss related topics. He urged all who are interested to come and voice their opinions at the hearings.

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and
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**Wednesday April 10, 1974
in Lobbies 10 & 7
from 9am to 5pm**

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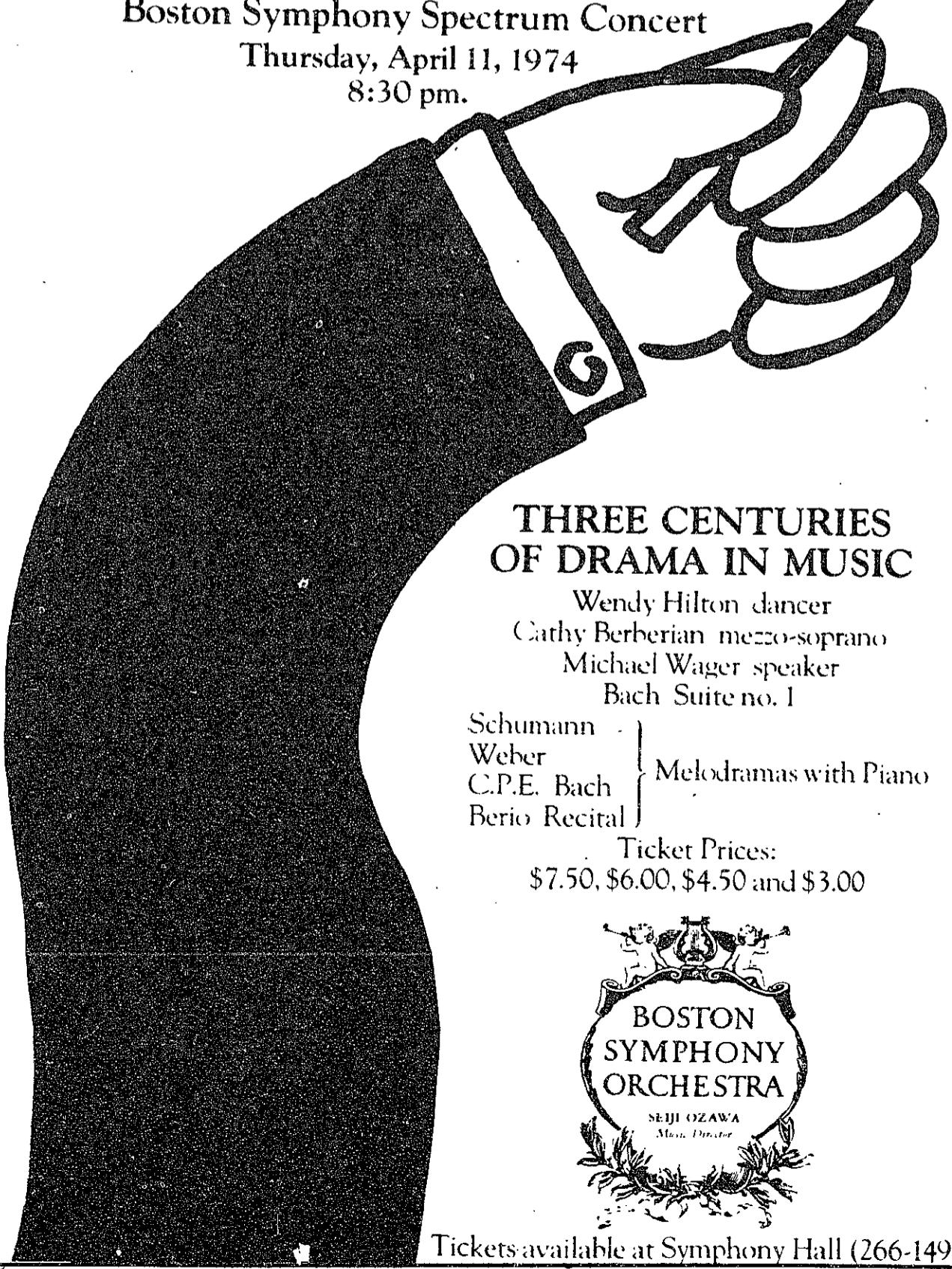
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Michael Tilson Thomas

conducts a
Boston Symphony Spectrum Concert
Thursday, April 11, 1974
8:30 pm.



THREE CENTURIES OF DRAMA IN MUSIC

Wendy Hilton dancer
Cathy Berberian mezzo-soprano
Michael Wager speaker
Bach Suite no. 1

Schumann
Weber
C.P.E. Bach
Berio Recital

Melodramas with Piano
Ticket Prices:
\$7.50, \$6.00, \$4.50 and \$3.00



Tickets available at Symphony Hall (266-1492)

Sports

Season to open for rowers

By David I Katz

With the return of warm weather and the melting of the ice on the Charles, the MIT crew shells return to the water in preparation for the spring racing season, the culmination of nine months of sweat, sore muscles, and blistered hands.

*The spring's weather, though, has not been very cooperative to the Engineer crews. Unfortunately, inclement weather over mid-semester vacation has slowed the development of all the MIT squads.

Men's Varsity Crew

The task of selecting a winning Tech heavyweight eight rests with Head Coach Peter A. Holland. Coach Holland has indicated that only three seats have so far been decided with sophomores Peter Beaman at stroke. Gary Piantedosi at the number seven position, and John Everett at number five. The remaining seats, Holland says, "have not been firmly settled at this time." Returning lettermen include John Miller '74, Chuck Davies '74, Doug Looze '74, Dustin Ordway '74, Captain Andrew Kernohan '74, and Jim Gorman '75. All of these men will be in serious contention for the remaining five seats in the first boat.

The toughest opponents on the heavyweight schedule appear to be Harvard and Wisconsin. Four members of the U.S. National Crew that competed in the World Championships in

Moscow this past summer are currently on the Harvard varsity.

Wisconsin, the defending I.R.A. national champion in the Varsity, J.V., and Freshman events, has twenty-one of these twenty-four oarsmen returning to compete for the sixteen seats on the upper two crews. Other important races will be against perennially strong Northeastern and Dartmouth and an improving Columbia.

The racing season begins for the heavyweights this Saturday against a fine Coast Guard Academy crew at New London, Connecticut.

The lightweights, who performed well in last fall's Head of the Charles, will open their first season under new head coach Bill Miller on Saturday, April 13 against Yale at home.

At this time, the prospective boatings for the lightweights are much less certain than the heavyweights. According to Coach Miller, "Captain Ralph Nauman '75 is expected to lead the group in the Varsity shell. It's going to be a matter of experimentation to come up with the right combination to make the shell its fastest." Other returning lettermen include Andy Moehlenbrock '74, Gary Eadens '75, Bernard Brooks '75, and Dan Greene '74. Promising sophomores include Mike Neff, Rusty Saunders, and John Wendell.

Both the heavyweight and lightweight squads have a large number of men rowing this year, a major factor in the intense

competition for varsity positions. For the first time in seven years, MIT will have a third heavyweight eight which will serve as a training ground for members of the upper two crews. The lightweights will compete with two eights and a four.

Women's Crew

The women open their first season as a varsity crew this Saturday, racing against Connecticut College and Middletown High School in New London.

After a hard winter training program which included work-outs in Florida during I.A.P., the women are a much stronger crew this season than last. The competition will be correspondingly tough as the women face all the top eastern crews, including Radcliffe, last year's national champion.

Coached again by Dave Burns, the team is just short of having two eights and will probably race an eight and a four. Boatings are not yet definite. Returning members include team captain Susan Ashworth '75, Ingrid Klass '76, Diane McKnight '75, Christine Plapp '75, and Chris Tracey '76. The new oarswomen have proven to be very competitive and enthusiastic and will be vital to the team's success this year.

Men's Freshman Crew

The freshman squads are difficult to assess as they are new to the sport. The frosh heavies, coached by Fraser M. Walsh, defeated Boston University in a series of practice races this past Saturday. The lightweights under the guidance of John Malarky '71 have yet to race another school, but appear to be rowing well and are producing some good practice times.

SOCCER CLINIC

The I.M. Soccer referee's clinic will be held tonight and tomorrow at 7:30pm in the Student Center (4th floor). Anyone interested in I.M. officiating or in becoming a qualified high school referee should attend. For more information, contact Tom Stagliano (x3-2435 or 661-1926).

Georgia golf rounds prep MIT for season

By B. H. Jones

Although a week of matches failed to produce a victory over their well-practiced host, Armstrong State College, MIT's spring golf trip to Savannah, Georgia certainly provided the Engineers with an opportunity to sharpen their games for the Spring season in New England.

Following a practice round in the 80 degree Savannah weather on Sunday, rain came preempting golf on Monday and allowing only 18 instead of 27 holes of play on Tuesday, as the Armstrong State coach, unused to having his team play in the foul weather MIT golfers are used to, decided to end the match early on Tuesday. The team fought A.S.C., ranked fifth in the nation, the rest of the week on three golf courses near Savannah without success.

The trip was definitely not a disappointment though, as the team had not expected to topple A.S.C. whose players are all capable of shooting in the 70's. The week gave the team competitive practice rounds to prepare for their Spring season.

Players who gave the opposition some excellent competition included Pete Wolczanski '76, who turned in two low 70 scores and Gordon Deen '74 and Bob Kneeland '77 who both had rounds in the 70's.

return North for 1, the Engineers are their home matches on a new course, the Braeburn Country Club in Newton. The course is much nicer and closer than the old course, Crystal Springs, but has a few drawbacks also. Unlike Crystal where the team could play as much as it wanted, the team will

get two free drinks with every large pizza and this coupon.

With Every Large Pizza And This Coupon, You Get Two Free Drinks. Mention This Ad When You Order Over The Phone.

Coupon Expires April 16, 1974

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These positions are for our corporate headquarters in southwestern Connecticut. If you are interested in exploring these opportunities, come and see us when we visit your campus on April 5, 1974.

TECHNOLOGY AND CULTURE SEMINAR

LECTURE HALL 9-150

DR. LEWIS MUMFORD

Visiting Institute Lecturer under the sponsorship of the Provost's Office, the School of Humanities and the Department of Urban Studies and Planning

Tuesday, April 9

THE NEXT TRANSFORMATION OF MAN

4:00 PM Lecture

6:15 PM Open Discussion

JAMES R. KILLIAN, JR. FACULTY ACHIEVEMENT AWARD LECTURES

INSTITUTE PROFESSOR VICTOR F. WEISSKOPF KILLIAN AWARD LECTURER 1973-74

APRIL 3, 1974

THE SEARCH FOR THE ULTIMATE STRUCTURE OF MATTER

26-100

5:15 p.m.



APRIL 10, 1974

THE FRONTIERS AND THE LIMITS OF SCIENCE

26-100
5:15 p.m.

Followed by Dutch Treat Supper - Student Center (April 10 Lecture Only)
And Open Discussion at:
7:30 p.m. Room 473 STUDENT CENTER